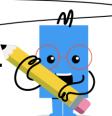


mobius

Exponential Function Solution Equation Decay (Discrete) Equation to Rate



Rearrange this equation to solve for the rate given this model of a decline of a toxin concentration (monthly dialysis)?

Rearrange this equation to solve for the rate given this model of a decline of a bird population (yearly breeding cycle)?

$$507 = 600 \cdot (1-r)^{(2)} 708 = 800 \cdot (1-r)^{(4)}$$

$$708 = 800 \cdot (1-r)^{(4)}$$

$$r = -(rac{708}{800})^{rac{1}{4}} - 1$$
 $r = +(rac{708}{800})^{rac{1}{4}} + 1$

3 Rearrange this equation to solve for the rate given this model of a decline of a toxin concentration (weekly dialysis)?

Rearrange this equation to solve for the rate given this model of a balance of a charitable endowment (daily disbursements)?

$$260 = 300 \cdot (1-r)^{(7)}$$

$$570 = 700 \cdot (1-r)^{(4)}$$

$$r = + (rac{570}{700})^{rac{1}{4}} + 1 r = - (rac{570}{700})^{rac{1}{4}} - 1$$

5 Rearrange this equation to solve for the rate given this model of a balance of a charitable endowment (yearly disbursements)?

Rearrange this equation to solve for the rate given this model of a decline of a bird population (yearly breeding cycle)?

$$171 = 300 \cdot (1-r)^{(9)}$$

$$|171 = 300 \cdot (1-r)^{(9)}|335 = 600 \cdot (1-r)^{(8)}$$

$$r = -(rac{335}{600})^{rac{8}{2}} - 1$$
 $r = -(rac{335}{600})^{rac{1}{8}} - 1$

7 Rearrange this equation to solve for the rate given this model of a decline of a toxin concentration (daily dialysis)?

Rearrange this equation to solve for the rate given this model of a balance of a charitable endowment (yearly disbursements)?

$$|434 = 500 \cdot (1-r)^{(7)}|661 = 900 \cdot (1-r)^{(6)}$$

$$|661 = 900 \cdot (1-r)^{(6)}$$

Α	$r=-(rac{434}{500})^{rac{7}{2}}-1$	$r=-(rac{434}{500})^{rac{1}{7}}-1$	Α	$r=-(rac{661}{900})^{rac{6}{2}}-1$	$ ho = +(rac{661}{900})^{rac{1}{6}} + 1$
С	$r=+(\frac{434}{500})^{\frac{1}{7}}+1$		С	$r=-(rac{661}{900})^{rac{1}{6}}-1$	